

SYSTEM AND METHOD FOR INCREASING A DATA TRANSMISSION
RATE IN MOBILE WIRELESS COMMUNICATION CHANNELS

ABSTRACT OF THE DISCLOSURE

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A system and method is disclosed for increasing a data transmission rate in mobile wireless communication channels. The invention comprises a base station that is capable of sending data packets to a mobile station at a first data rate and then sending replacement data packets to the mobile station at a second higher data rate to replace missing or error data packets. The mobile station comprises a replacement data packet controller that replaces missing or error data packets with replacement data packets. During a handoff of the mobile station a first base station sends an A3 physical transition directive message to a second base station to increase bandwidth on a supplemental channel for sending replacement data packets to the mobile station. The bandwidth is decreased after the mobile station receives the replacement data packets.